G·Profile Turbo POI

RLB LED Projector

Description

The G-Profile Turbo POI is a multi-environmental, maintenance-free RLB LED moving head with an IP66-rating and a bright color output. The high-brightness LED moving head is based on an optimized additive color mixing to match the highest demands of color rendering and total output. Its framing system allows the G-Profile Turbo POI to perform beam-shaping images and projections via four individually controllable blades with module rotation. The integrated dehumidifier ensures perfect inner cleanness of the luminaire and no accumulation of dust or externally induced impact on internal optics, gobos, or the light source unit.

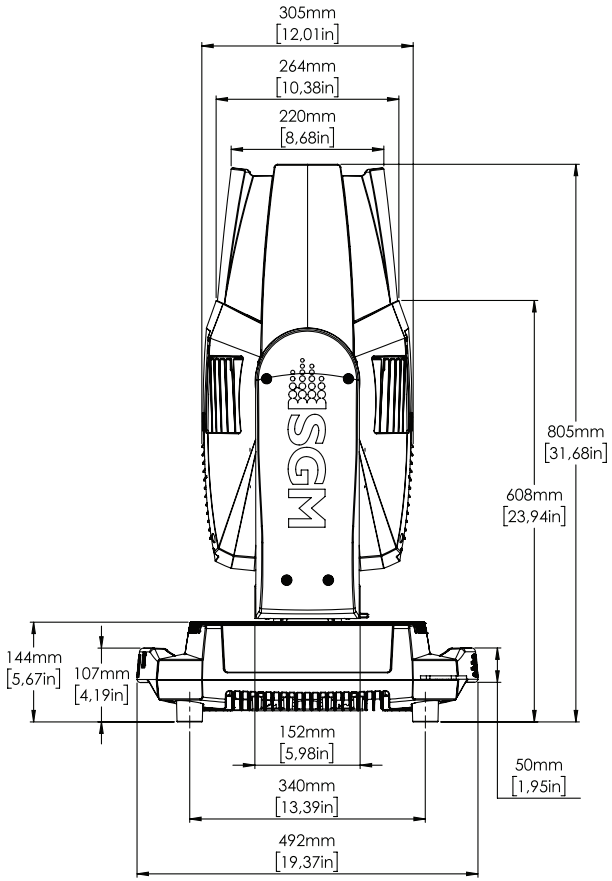
For:

Features and benefits

- ✓ 19973 lumen, high CRI RLB LED projection luminaire (Red, Lime, Blue)
- ✓ Extended color palette with warmer colors and richer hues
- ✓ IP66-rated and 5-year warranty
- ✓ Corrosion class C5-M (marine) makes it ideal for coastal and offshore installations
- ✓ 2000K - 10000K CTC control, no hotspots, and 8° to 43° zoom range
- ✓ 4-blade rotatory framing module, 1 rotatory gobo wheel, FX wheel, 4-facet prism, and ultra-high-speed strobe
- ✓ Patented built-in dehumidifier for a practically maintenance-free luminaire
- ✓ Ideal application: permanent medium and large scale architectural installations in non-accessible outdoor locations

Certifications & classifications

IP66 RoHS CE ETL PENDING ECO FRIENDLY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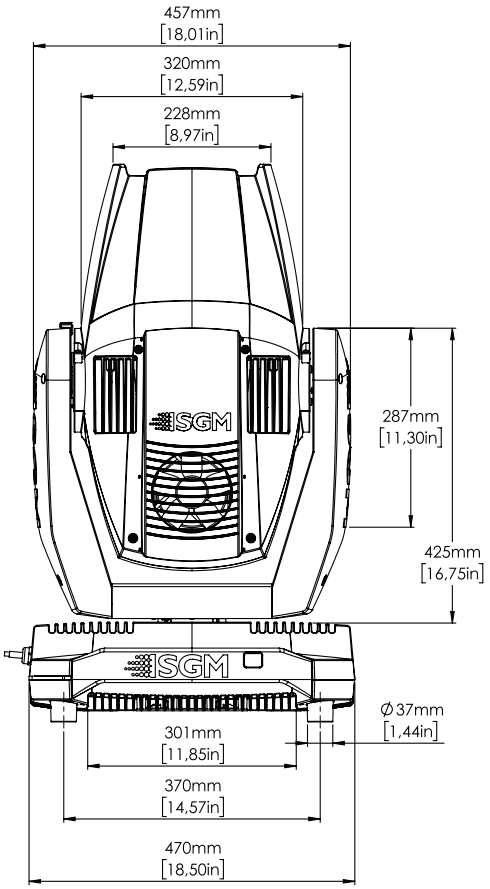
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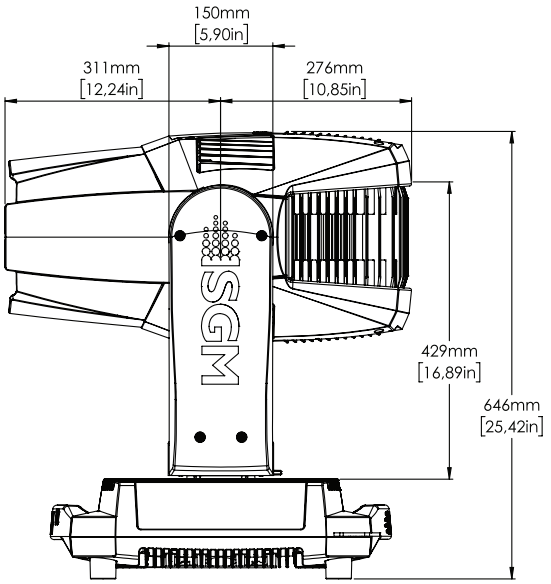
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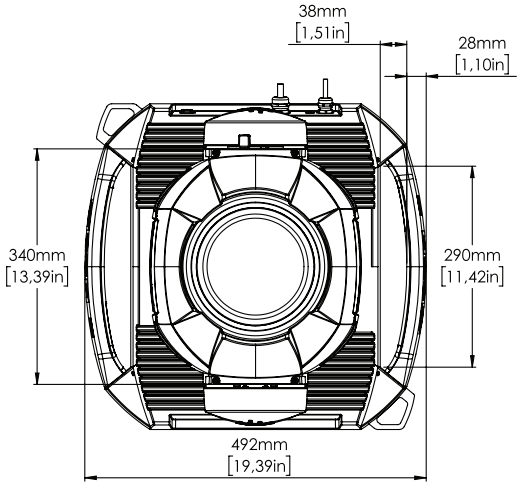
38mm
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28mm
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340mm
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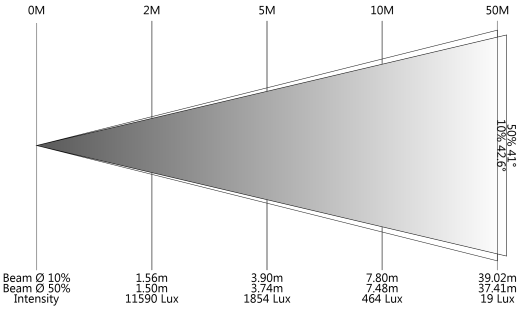
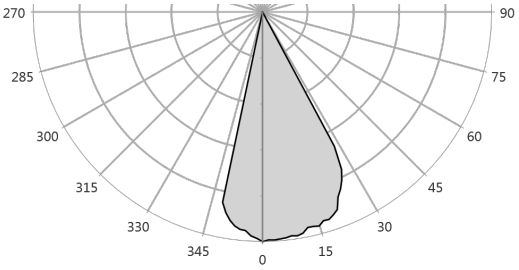
290mm
[11,42in]
492mm
[19,39in]

Manufacturer	SGM
Luminaire	G-Profile Turbo max All on raw peak
Measurement Date	30-01-2018
Power Consumption	982 W
Light Output	20 048 lm
Field Angle	42.6 deg
Beam Angle	41.0 deg

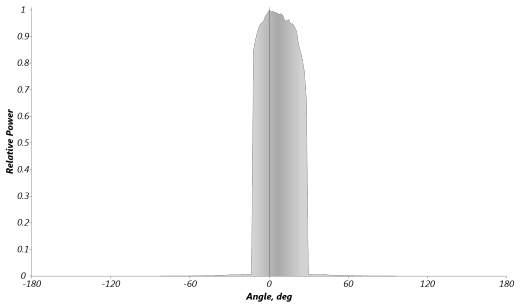
Lux Diagram



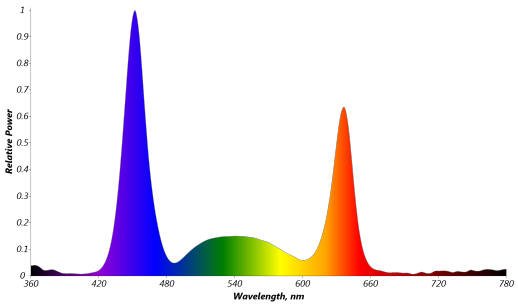
Polar Distribution



Beam Profile



Spectral Distribution



Gobo wheel

Specification

Optical Data	Focus	Motorized
	Frost	0% - 100%, variable
	LED expected lifetime	50,000 hours
	Lens diameter	125 mm
	Lightsource	High-power RLB LED
	Prism	4-facet rotating prism
	Pseudo zoom range	1° to 43°
	Zoom	Motorized
	Zoom range	8° to 43°
Photometric	Color temperature range	2000K - 10000K
	CRI typical	83
	Efficacy	20 lm/W
	Light output all LEDs on	19973 lm
	Light output blue	1896 lm
	Light output green	5899 lm
	Light output red	4523 lm
	Lux @ 10m	7042 lux
	Lux @ 3m	78241 lux
	Lux @ 5m	28166 lux
	Maximum Beam Angle	42 °
	Maximum Field Angle	44 °
	Minimum Beam Angle	9 °
	Minimum Field Angle	11 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Corrosion class	C5-M (ISO 12944)
	IP class	IP66
	Lens material	AR-coated glass
	Material	Aluminium Plastic PA6.6 Stainless Steel
	Net dimensions	470 x 805 x 492 mm
	Net dimensions inches	18.5 x 31.7 x 19.4 inches
	Net weight	52 kg (114.7 lbs)
Features	Dehumidifier	Base / Head

	Dimming	Electronic
	Effect wheels	2 independent effect wheels with semi-continuous effect
	Framing	Rotatable framing module +/-45° 4 controllable shutter blades, individually adjustable +/-30°
	Gobo wheel (1)	5 rotatable, indexable, and interchangeable gobos + open
	Iris	1% - 100%, pulse effect
	Pan	540°
	Power / DMX indicator	Base
	Strobe	Ultra-high-speed strobe effects
	Tilt	270°
Electrical	AC power, max.	190 - 264V 50/60Hz
	AC Power, nominal	208 - 240V 50/60Hz
	Electrical Protection	Overload protection
	Max Inrush Current 230VAC	30 A
	Max power consumption	1150 W
	Power factor	0.98 PF (230 V) PF (230V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	70 W
	Typical power consumption	1000 W
Programming and Control	16-bit control	Dimmer, colors, pan/tilt, gobo index/rotation, zoom, focus
	DMX channels	31, 32, 46, 47
	DMX modes	4
	Protocol	USITT DMX512A RDM ANSI E1.20
	Setting and addressing	RDM ANSI E1.20
Connections	DMX data in/out	5 meter cable for DMX in and out
	Power	Power cable 5 meter with bare ends
Installation	Mounting point	4 x 2 M-10 locking points (suitable for two or four POI Omega Brackets)
	Orientation	Any
	Rigging possibilities	Hanging / horizontal mounted
	Safety features	2 attachment points for safety wire Minimum distance to combutible materials: 0.3 meter (11 in).
Thermal	Cooling	Active, Forced Air, Temperature-regulated

	Humidity (max.)	98 %
	Temperature range, Operating	-40°C to 50°C
	Temperature range, Start-up	-20°C to 50°C
	Temperature range, Storage	-40°C to 80°C
	Thermal Protection	Automatic overtemperature protection
Included items	Included items	Safety instructions and installation quick guide 8 M-10 screws
Gobos	Glass	Borosilicate high-temperature glass
	Image diameter	30 mm
	Maximum thickness glass	3.5 mm colored glass or textured gobos
	Maximum thickness metal	1.1 mm black & white
	Metal	Not Recommended
	Outside diameter	37.5 mm
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 EN 61000-3-2 EN 61000-3-3
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive	2011/65/EU

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer’s test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Product name	Item number
G-Profile Turbo, POI, BL	80021261
G-Profile Turbo, POI, WH	80021262
G-Profile Turbo, POI, CU	80021263

Accessories	Item number
SGM USB uploader cable	83062011
Vacuum Test Kit	83061136
Omega Bracket POI	83060623
RDM Addressing Tool	

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